In the Claims:

Please amend claims 1, 6, 14, 19, 27 and 28, please cancel claims 5, 8-13 and 20-26, and please add claims 29-31, as indicated below.

1. (Currently amended) A method for creating a message endpoint on a device in a distributed computing environment, the method comprising:

receiving an address for a service within the distributed computing environment;

receiving an authentication credential indicating authorization to access said service;

linking said address to a pre-generated message interface for accessing said service, wherein said pre-generated message interface is implemented by computer-executable code installed on said device during a code-build process for installation of code on the device to implement said receiving and said linking, [[and]] wherein said linking creates a message endpoint for said device to send messages to said service at said address in order to access said service, and wherein said linking comprises linking said authentication credential to said pre-generated message interface, wherein said message endpoint is configured to include said authentication credential with each message sent to said address; and

using said message endpoint to send messages to said address to access said service.

2. (Original)   The method as recited in claim 1, further comprising said message interface of said message endpoint verifying that said messages sent to said service comply with a message schema for said service.

3. (Original)   The method as recited in claim 2, wherein said message schema defines messages to be sent to and received from said service, wherein said messages are defined in a data representation language.

4. (Original)   The method as recited in claim 3, wherein said data representation language is eXtensible Markup Language.

5. (Canceled)

6.   (Currently amended)   The method as recited in claim [[5]] 1, further comprising:

locating a service advertisement for said service, wherein said service advertisement indicates an authentication service; and

requesting said authentication credential from said authentication service to access said service; and

wherein said receiving an authentication credential comprises receiving said authentication credential from said authentication service.

7. (Original)   The method as recited in claim 1, further comprising:

locating a service advertisement for said service, wherein said service advertisement comprises said address for said service and indicates a message schema for said service;

wherein said receiving an address comprises receiving said address from said service advertisement; and

wherein said linking comprises verifying that said pre-generated message interface corresponds to said message schema.

8. – 13. (Canceled)

14. (Currently amended) A device in a distributed computing environment, comprising:

a storage medium storing executable code installed on the device during a code-build process for installation on the device of code to implement a message endpoint constructor, wherein said executable code comprises a pre-generated message interface for accessing a service;

wherein the device is configured to locate a service advertisement for the service, wherein said service advertisement comprises an address for said service and indicates a message schema for said service;

wherein the message endpoint constructor is configured to receive [[an]] said address for the service from said service advertisement and link said address to said pre-generated message interface to create a message endpoint for the device to send messages to the service at said address in order to access said service, and wherein said message endpoint constructor is configured to verify that said pre-generated message interface corresponds to said message schema; and

wherein said device is configured to use said message endpoint to send messages to said address to access said service.

15. (Original) The device as recited in claim 14, wherein said pre-generated message interface is configured to verify that messages sent from said message endpoint comply with a message schema for said service.

16. (Original) The device as recited in claim 15, wherein said message schema defines messages to be sent to and received from said service, wherein said messages are defined in a data representation language.

17. (Original) The device as recited in claim 16, wherein said data representation language is eXtensible Markup Language.

18. (Original) The device as recited in claim 14, wherein said message endpoint constructor is further configured to:

    receive an authentication credential indicating authorization to access said service; and

    link said authentication credential to said pre-generated message interface, wherein said message endpoint is configured to include said authentication credential with each message sent to said address.

19. (Currently amended) The device as recited in claim 18, ~~wherein the device is configured to locating a service advertisement for said service,~~ wherein said service advertisement indicates an authentication service; and wherein said message endpoint constructor is configured to request an authentication credential from said authentication service to access said service and receive said authentication credential from said authentication service.

20. – 26. (Canceled)

27. (Currently amended) A computer-readable storage medium, comprising program instructions, wherein the program instructions are computer-executable on a device to implement:

receiving an address for a service within a distributed computing environment;

receiving an authentication credential indicating authorization to access said service;

linking said address to a pre-generated message interface for accessing said service, wherein said pre-generated message interface is implemented by computer-executable code installed on said device during a code-build process for installation of code on the device to implement said receiving and said linking, [[and]] wherein said linking creates a message endpoint for said device to send messages to said service at said address in order to access said service, and wherein said linking comprises linking said authentication credential to said pre-generated message interface, wherein said message endpoint is configured to include said authentication credential with each message sent to said address; and

using said message endpoint to send messages to said address to access said service.

28.   (Previously presented)   A computer-readable storage medium, comprising program instructions, wherein the program instructions are computer-executable to implement:

locating a service advertisement for a service within the distributed computing environment, wherein said service advertisement comprises an address for said service and indicates a message schema for said service;

receiving said address for said service from said service advertisement;

linking said address to a pre-generated message interface for accessing said service, wherein said pre-generated message interface is implemented by

computer-executable code installed on said device during a code-build process for installation of code on the device to implement said receiving and said linking, wherein said linking creates a message endpoint for said device to send messages to said service at said address in order to access said service, and wherein said linking comprises verifying that said pre-generated message interface corresponds to said message schema; and

using said message endpoint to send messages to said address to access said service.

~~receiving a schema defining messages for accessing a service;~~

~~generating message endpoint code according to said schema;~~

~~linking said message endpoint code into executable operating code for the device and installing the message endpoint code and operating code onto the device.~~

29. (New) A method for creating a message endpoint on a device in a distributed computing environment, the method comprising:

locating a service advertisement for a service within the distributed computing environment, wherein said service advertisement comprises an address for said service and indicates a message schema for said service;

receiving said address for said service from said service advertisement;

linking said address to a pre-generated message interface for accessing said service, wherein said pre-generated message interface is implemented by computer-executable code installed on said device during a code-build process for installation of code on the device to implement said receiving

and said linking, wherein said linking creates a message endpoint for said device to send messages to said service at said address in order to access said service, and wherein said linking comprises verifying that said pre-generated message interface corresponds to said message schema; and

using said message endpoint to send messages to said address to access said service.

30. (New) A device in a distributed computing environment, comprising:

a storage medium storing executable code installed on the device during a code-build process for installation on the device of code to implement a message endpoint constructor, wherein said executable code comprises a pre-generated message interface for accessing a service;

wherein the message endpoint constructor is configured to receive an address for the service and link said address to said pre-generated message interface to create a message endpoint for the device to send messages to the service at said address in order to access said service;

wherein said message endpoint constructor is further configured to:

receive an authentication credential indicating authorization to access said service; and

link said authentication credential to said pre-generated message interface, wherein said message endpoint is configured to include said authentication credential with each message sent to said address; and

wherein said device is configured to use said message endpoint to send messages to said address to access said service.

31. (New) The device as recited in claim 30, wherein the device is configured to locate a service advertisement for said service, wherein said service advertisement indicates an authentication service; and wherein said message endpoint constructor is configured to request an authentication credential from said authentication service to access said service and receive said authentication credential from said authentication service.